

SEQUENCE LISTING

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<120> Rice promoters

<130> CD-071-PCT

<150> EP 03075331.3

<151> 2003-02-04

<160> 88

<170> PatentIn version 3.1

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 <223> PRO0009 - putative cellulose synthase

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 <223> PRO0061 - beta-expansin EXPB9

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<213> Oryza sativa

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<223> PRO0063 - structural protein

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<223> PRO0081 - putative caffeoyl-CoA 3-O-methyltransferase

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<213> Oryza sativa

<220>

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<223> PRO0091 - prolamine RP5

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<213> *Oryza sativa*

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<223> PRO0095 - putative methionine aminopeptidase

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actttggacc ggataatctt acctttatctt aactttgggc tatctaactc tcttctaaaag	660
catataaacg atcttgagta catcgattcc tacttatcat ttaactctcg tagcttaatg	720
taagattatt tctttgaaat atgataaatt ggatgcatat gaatgaaaaga gtcaaggatt	780
aagtgattcc tcaaaaaaaaa aaaagagtga aatttattta tttttcccct ttcgacacga	840
agaagggctt ggttggagga aaatggccca gattcagatg accgaggccg agtaccatgg	900
ggcccacaag aataataagc cccgagccca aacgctaagg cccacgagaa gccgtgcgct	960
ggaagaaaaga aagaaaccgc ggccgtcttc acaccgaagc ggcggacgag acgactcgca	1020
gtcgcagcct ctttctctct ccgtctctct ctcccctctt cctctcctcc gcgcggcgaa	1080
cgaagcgagc gagcggcggc	1100

<210> 12
 <211> 1216
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> PRO0117 - putative 40S ribosomal protein

<400> 12	
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gaaatgtcat gtctatgctc cgatcttata aatttggtca atagcgttgc aaacgcgatc	120
attaaaaagg cggtaagaga actaccacat tttcgaaagc ccattctctt cgtgagttac	180
tggaattatt tggcatagca catgcataaa gatgcttttag taatgagctc aataaaacac	240
gacagctttg catgtagcca caatgctata gtaaagtagt tgtacttctt ttgcattgca	300
aagtgggtact gaccttggtt aggcagctag cttcattcat tttttgaatt ctatagttat	360
agttataaag attatcataa tttagataag aatccggtat gtttgagaag ctggagtttc	420
tagagaagct ataacaactc gaagctccct aaacagagcc attgaacatt gagctgtcca	480
gtatatcatg acaaaatgat acattttgca tgggcatatg tgtctaagaa aacaaacatc	540
acaattcaat gagtcactct aaaaaaaaaag gcaaaacact caacaaaacc ataccgtgaa	600
agtgaaccta taatgaaatg aaattttgat aagcatgctt acccaggtgg aaatttcaat	660
ctaagaacaa tttccaaaac caccgtccat agaaatatgt ggaattcatt cagaattttc	720
ataccacacg ataaaattta tagggaattt aacttttgcc attttttaccg aacaccacct	780

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tacgcaccac catcaaagaa ttcaagacgg agagcgtcgt cgccgtcggc aaggcggcgt	960
gttttgttca ctgtacgttg cttcggcgtg ggcccaatct tgttcggggc taactagttc	1020
ttcccagccc aggcccatta agcctaccaa cccggacggc ccgggaggag ctagggtttc	1080
acccttcact atataaacct ctctctctc ctccggccgc cgctccgaa gccctagctc	1140
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gccgccgccg ccgcca	1216

<210> 13
 <211> 1210
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> PRO0122 - chlorophyll a/b-binding protein presursor (Cab27)

<400> 13	
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ccaatgtatt tcccgaata atctatcttt atccgatgta caagcaatta gagcaattgc	120
aaatgttgcc tgcaatactc gggctctgggt atcttctctt caaatttttg gttgtaactc	180
gtctatgcag ctattcatat tgtaactcag tgagctccct gtcgcaaatag tgcctctgcg	240
tcagtcgctg tctgtaaact gtccggcaat tagaaattcc catccttagc atgcctggta	300
ttgttcagct cgaaactgaa atttttcttc gtgccctata ttttttcggt gtagataagt	360
gttccgctgg aattttatgc aggtgctgta ccctatgtgc tgcttttttt ttgtgtgggg	420
cgcccccccg gggggggggg ggggtttcct ggcatgattg caaataagaa ccccggggca	480
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aggacatgaa ttacgattgt tcatgagcta tttgatcat ggaaagattg gaaacaaaca	600
cttacgtcaa ggtttctact aattacgtga ttccgatttc agagtcagcc atggctatac	660
tgcttttgct ccagtaaaca tcgctgctct agtaacaaac attgcagtaa acatcacaac	720
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cccggcatcc ggataacgct ggataagagg cgacgcctcc cattggccac acccacccaa	1020
caacgcatcc tggccgtccg atccaccccc accgccgatc tccgccgtcc gtcgccgccc	1080
tcgccaccgt ggccacctgg cagcgccggc cactcccgga cagttaata caagccacgc	1140
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ctctaagccg	1210

<210> 14
 <211> 1179
 <212> DNA
 <213> *Oryza sativa*

 <220>
 <221> misc_feature
 <223> PRO0123 - putative protochlorophyllide reductase

<400> 14	
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cattaccact ttacctgaca ttttgacag agattagaaa tagtttcgta ctacctgcaa	180
gttgcaactt gaaaagtga aattgttctt tgctaataata ttggcgtgta attcttttat	240
gcgttagcgt aaaaagttga aatttgggtc aagtactgg tcagattaac cagtaactgg	300
ttaaagttga aagatgggtc tttagtaatg gagggagtac tacactatcc tcagctgatt	360
taaatcttat tccgtcgggtg gtgatttcgt caatctccca acttagtttt tcaatatatt	420
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ctacttttgt actgtatttg tcaatgaaaa gaaaatctta ccaatgctgc gatgctgaca	540
ccaagaagag gcgatgaaaa gtgcaacgga tatcgtgccg cgtcgggtgc caagtcagca	600
cagaccfaat gggcctttcc tacgtgtctc ggccacagcc agtcgtttac cgcacgttca	660
catgggcacg aactcgcgtc atcttccac gcaaacgac agatctgccc tatctgggtcc	720
cacccatcag tggccacac ctcccatgct gcattatttg cgactcccat cccgtcctcc	780
acgcccacac accgcacacg ggtcgcgata gccacgacc aatcacacaa cgccacgtca	840
ccatatgtta cgggcagcca tgcgcagaag atcccgcgac gtcgctgtcc cccgtgtcgg	900
ttacgaaaaa atatcccacc acgtgtcgtc ttacaggac aatatctcga aggaaaaaaa	960

tcgtagcgga aaatccgagg cacgagctgc gattggctgg gaggcgtcca gcgtggtggg	1020
gggcccaccc ccttatcctt agcccgtggc gctcctcgct cctcgggtcc gtgtataaat	1080
accctccgga actcactctt gctggtcacc aacacgaagc aaaaggacac cagaaacata	1140
gtacacttga gctcactcca aactcaaaca ctcacacca	1179

<210> 15
 <211> 1808
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> PRO0133 - chitinase Cht-3

<400> 15	
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tgtaattata atatactttt aatcaaaaaca tgcaaagcta gcagtattta catcactaga	120
agtaaactctt tcttgctcat gatgcttcag ccggacggaa ccctaaaata tagatggggc	180
ggatacactc gattaaaaca gctaattgca acacatatca tataaggttt tggaattcat	240
accaaagtct ccgaaattcg tctatttcga tgaggcccaa gacatgacct cctgtttcgc	300
ccatagttta tgggtgttgg taaaatttgg ttaaaatctg tctatttttag taggtcccga	360
aattcttatg caattgaatc ctagaaccct atcatattta tattgcaatt gcacaaaaat	420
aatgtgcaat caatatattc caattgcaat acatatcaag catgagggtgt aatacatatc	480
cagccgctag cactgggtct gttgagggtgc ttcttgagc aacagctgca atctgttttg	540
ctaggctgtt ggcgccaggc actgctgtcg tgctgcaaca atggcacatt cgtcgagcac	600
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aatcactgg gcatggcaca caggagagct acttttagcga catgaatcta ggcgaaaatc	1080
tattgaacca aaatcgact gtaatctcat gaaaattttc gtcataatta tagcaaaatc	1140

gttggttgat	tgattgcacg	agaaaacaga	agaaggagc	taggtgatat	tatattgttt	1200
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ggttttcgta	ccgtatagac	cccggccggg	tcaaacttat	ttggtcgtcg	ctggttggtt	1320
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tggaaactta	ctttttctaa	ataactgaac	ggattggagg	caggagacaa	atttgaccaa	1560
cacaatatat	ccacgacggc	tagacaatac	tagtagatgc	atgcatggaa	ggatatagta	1620
gtacttgta	atcgtggaaa	ctttggtaat	gcgaatgcat	ttcaattcgt	tgctgaagat	1680
cgatgcacca	tgcatatcca	tctctatata	aagccatgcg	atcccaccga	ttcttgcaca	1740
cacactagct	acttctactt	ctatcatacc	aaacaaacta	gcttaatttg	cattgcatca	1800
cattgccg						1808

<210> 16
 <211> 1828
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> PRO0151 WSI18

<400> 16	
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ctggtttata	tgtaaagtaa
gattctttaa	ttatgtgaga
	120
tccggcttaa	tgcttttctt
ttgtcacata	tactgcattg
caacaattgc	catatattca
	180
cttctgccat	cccattatat
agcaactcaa	gaatggattg
atatatcccc	tattactaat
	240
ctagacatgt	taaggctgag
ttgggcagtc	catcttccca
accaccacc	ttcgtttttc
	300
gcgcacatac	ttttcaaact
actaaatgg	gtgtttttta
aaaatatttt	caatacaaaa
	360
gttgctttta	aaaattatat
tgatccattt	ttttaaaaaa
aatagcta	acttaattaa
	420
tcacgtgtta	aaagaccgct
ccgttttgcg	tgaggaggag
atagggtcac	atcctgcatt
	480
accgaacaca	gcctaaatct
tgttgtctag	attcgtagta
ctggatatat	taaatcatgt
	540
tctaagttac	tatatactga
gatgaataga	ataagtaaaa
ttagaccac	cttaagtctt
	600

gatgaagtta ctactagctg cgtttgggag gacttcccaa aaaaaaaagt attagccatt	660
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ttaagtaact ctctataga aaacttttac aaaattacac cgtttaatag tttggaaaat	780
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gtatacagtt ataaactatt ccctctgttc taaaacataa gggattatgg atggattcga	900
catgtaccag taccatgaat cgaatccaga caagtttttt atgcatattt attctactat	960
aatatatcac atctgtctta aatatcttat atttcgaggt ggagactgtc gctatgtttt	1020
tctgcccgtt gctaagcaca cgccaccccc gatgcgggga cgctctggc cttcttgcca	1080
cgataattga atggaacttc cacattcaga ttcgataggt gaccgtcgac tccaagtgtc	1140
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ggatagcctc aagctgctcg tcacaaggca agaggcaaga ggcaagagca tccgtattaa	1740
ccagcctttt gagacttgag agtgtgtgtg actcgatcca gcgtagtttc agttcgtgtg	1800
ttggtgagtg attccagcca agtttgcg	1828

<210> 17
 <211> 1267
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> PRO0169 - aquaporine

<400> 17	
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tttactaaat gagataatcc aacaaatggc atttaaagcg ttcaaatcca agaaatgcc	180
tcgccgttat gcttccgtcc gtttcacgcc gttaaaatac aatgttcac ctataacact	240
taatggtgtg gaatggacgg aaccctaacg gcgatggcat ttttgggata aagtcgtttg	300
tacgatggca tttcttagaa ctcatatttg tcgatggcat tttttgaatt tggatgattg	360
tcaatggtat tttttggatt atctcttagt aaatacataa ggaatcatgc caaaacttga	420
caatattgtc aacttatcaa aatttaattg ggattatttt ggcgataata tgaacagccc	480
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atttgataa ggctatgaat aaactcaaaa aagcatccaa cctaaccacc aactggccc	1080
accaggggcc acgctccact cccgtgatca tcacctcctt ccctttccag aaccaccttc	1140
tccttccttc ctctcttct tcttcagtgt actctgcctt tataacaccc tactcctctc	1200
tctcacctcc accatctagc tctctcacac agtctccact cacacgcatt gcagaggaga	1260
ggcgaca	1267

<210> 18
 <211> 1130
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> PRO0170 - High mobility group protein

<400> 18	
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tatacaaagc tgtaatactc gtatcagcaa gagagaggca cacaagttgt agcagtagca	120

caggattaga aaaacgggac gacaaatagt aatggaaaaa caaaaaaaaa caaggaaaca	180
catggcaata taaatggaga aatcacaga ggaacagaat ccgggcaata cgctgcgaaa	240
gtactcgtac gtaaaaaaaaa gaggcgcatt catgtgtgga cagcgtgcag cagaagcagg	300
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<210> 19

<211> 1230

<212> DNA

<213> Oryza sativa

<220>

<221> misc_feature

<223> PRO0171 - reversibly glycosylated protein RGP1

<400> 19

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tcataaaata gtaatcatgt tctccataac agtaaatgac gaggcgttaa tagtggttta	180
ggttctcatg attgtaaatg ttgagtcgct tgtagcggct taagatatag tagagagtat	240
atctagtttt atcaagacaa acattgcgta atgcctcgga cctaataataa aagtaggaat	300
tttaaccttt gagaaactgt aaccaattga aactgcaagc tttaaaaaaa catctattgg	360

aagtgatatt atatagacaa aataagtttc ttactcttac tctctcagtt tcaagttata	420
aaatgttttg gctttgggtca aaatcaaact tcttcaagtt taatcaagtt tatagaaaaa	480
atagtaatat ccaagataaa tttattataa aaatatattht aattattatt ttaataaaaac	540
taatttggta atgtaaatat tactatattht gtctataaac ttagtcaaatht ttaaaacagtt	600
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cgatattaag atacccttat cthttatcca ccgcttggaa caaaccaaaa aaaataaaaa	840
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agatccaacc caaaataaatht ttggacgcat cccaaaattc ggcaaacata tgacgcaaac	960
caaaacaaaa taggcacaaa ataataatht actcctatct aattaattat acacaathtt	1020
thtttaaaaa aaagcaaggc aagcgaagca aagcaaagaa ggaaacgaatht aacaaagtcg	1080
tcgtcctccc ggagctcccg ctctataaatht cgctcctcct cccacccac ccaaaccac	1140
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gagatccagg gagagggaga gggagagatc	1230

<210> 20
 <211> 1234
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> PRO0173 - cytosolic MDH

<400> 20	
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attgtggcta acaaattgtt ggccacattt tggctacgtt cgataggaca tgttcccaac	180
ttctccttct cgthtttctgc gcgtacgctt tttcaaactg ttaaacggtg tgtthtttgc	240
aaaatathtt tttacgaaag ttgcttaaaa aattatatta atctathttt thtaaaaaa	300
gtagctaaaa cttaattaatht ctacagctag acgctgcttc gthttacgtg tcgggtaccc	360
aacctcact cccgaacaca gcctthtgtt ggtthtactac agthtatagta aagctagtht	420

ccatccaaac aatccttttag tccatataac ttcgtatact ccaaaattcc actcgttcta	480
cggacatcac taatacgaag atcaagtgga agatagatat ttttaatgac atgttatttt	540
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ccacaacgcg cagtcgtgtc cccacctgtc aggatgtag cgtctccggt gcaggtttcc	900
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ctccccgtcg ccgcgagggt aaataacggc caccggtttc cccctctctc gcaaaactca	1140
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<210> 21
 <211> 1553
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> PRO0175 RAB21

<400> 21	
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taacctatca ttcccacaat ctaatccact tattttctctt cccatgatct tctcctctca	180
tttctcctca ctacttttgc atttgtagga aacacaatga caccgtcgaa gaaagctggt	240
ggagcaccgt agccagcaat caccaaaaca cagaggggag gaggtcggca gcggccatgc	300
ggacggcgat gagacaacgc gacgcaaaga gggaggagga cgttggcgat catgctggtg	360
ttggcggagg aggtcactgg ccatgcgaat gacagcgggg cagcgcaaca caaaaagggg	420
ggaggatgcc ggcgaccacg ctagtaccat gaagcaagat gatgtgaaag ggaggaccgg	480
acgaggggtg gacctctgcc gccgacgtga agagcgtgat gtgtagaagg agatgttaga	540

ccagatgccg acgcaactta gccctgcaag tcacccgact gcataatcgct gcttgccctc	600
gtcctcatgt acacaatcag cttgcttata tctccatact tgtcgtttgt ttcccgtggc	660
cgaaatagaa gaagacagag gtgggttttg ttggagagtt ttagtggtat ttaggccta	720
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attttcgttg aaacaatttt tatccgacag caccgtccaa caatttacac caatttgac	960
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<210> 22
 <211> 1087
 <212> DNA
 <213> *Oryza sativa*

 <220>
 <221> misc_feature
 <223> PRO0177 - Cdc2-1

<400> 22	
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agtttattac ttttcacatg atagcataaa atttaaagaa aaaataaaca gaagtggaat	180
aagcgaaaaa ccccgcttac ccgccccatt tacatcccta cttggatcct gcatgtcagt	240
aagatatcag aattatatgt tttagaatta tatgtttttt tggaaggtgg aaatcggatt	300

attagacgca acataccaag tggcgtatac ttggcttcac tctttccatc agagcaagcg	360
taaaagatca cgtattcacg tcacatggag taactgagcg aatTTTTTTC atttttaaat	420
ttttgttttt taatatTTac ataaatatta taccggcgaa aatatttaca aaagtagacc	480
ctgctgccct tctccttctc gagaagagcg gcagggtgat gtcagggaca gaaataaaact	540
ccaaaaatgc atttttggct gggcgaaaat tgcacttacc cccttgctgc cctctacaaa	600
ggttgcaagg gacctcagt caaaatacgc acaccttgcc gtcctccact tggacggcat	660
gggctatttt tgtaaatatt ttggatggta taatatTTct gtaaatatta aaaaataaaa	720
atttaaaaaat gaaaaaattc tatctgggct cccttctctc atctcacacg gccaccaca	780
caatcccggc ccacatatTT cctgggcccc tttccgtgtg aatggagacg gccattggc	840
gcgcacatgc ggaaaagcgt acacacgatt cgaaatttga aatctcaaaa agcgcccgtt	900
agagcgcgtc ccctccaacg gctatcccc atacaaaaga tctctcgaat cccccccaaa	960
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gcgggcg	1087

<210> 23
 <211> 1272
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> TC89946 (PRO0110)

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n = any nucleotide

<220>
 <221> misc_feature
 <222> (50)..(50)
 <223> n = any nucleotide

<400> 23	
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ctgcgcttgt gatcgatcga tctcgggtac gtagcaatgg cgtccaaggc gttcgctctg	180

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gtcgacctcg agggggcggt gtgcctctgc acggccatca ggggcaacat cctcggaatc	480
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cggtgattag ttggctttga cgactcttga tttgatttgc ttgctgctct gtttatttgc	660
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cggccgaaga taacaacacc gggcttgga aacctagact gcccaactaa tggacggaag	1020
acagactctt ggactgaaac tgaacgaaac aagaccacc accccatcta accacagcca	1080
cctaccgcca aagattccaa taatgtgaat cagtcggtaa tagaactc ctcttgtacg	1140
attttactgc ccgcgccacc cctcggtagc cacttatata tatcgggccg tagtaatttc	1200
ctggttccgt cacttcctc atcgcacctg ctagtctgg cttacatacg tgcgtcctct	1260
tattatcgag cg	1272

<210> 24
 <211> 2425
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> TC90358 (PRO0005)

<220>
 <221> misc_feature
 <222> (1558)..(1558)
 <223> n = any nucleotide

<400> 24

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tcgatcgcaa aaaagaaaaa aaaaacaatt tccttttggg gtggttcac tgttgatcac	180
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<210> 25
 <211> 3410
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> TC83635 (PRO0009)

<400> 25	
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<210> 26
 <211> 602
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> TC83117 (PRO0058)

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ccaccatcca tccatcctcc cattctgctt gttctaaggt tatactacta cttgagaagg	540
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tt	602

<210> 27
 <211> 1170
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> TC89913 (PRO0061)

<220>
 <221> misc_feature
 <222> (15)..(16)
 <223> n = any nucleotide

<220>
 <221> misc_feature
 <222> (1162)..(1162)
 <223> n = any nucleotide

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cggcgggtcg tgcggcccg ccaagggtgcc acccggcccg aacatcacga ccaactacaa	180
cgccccgtgg ctccccgcca gggccacctg gtacggccag ccctacggct cgggtccac	240
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gagggcgcgc tgcaagtacc ccggcggcca gaaggtcacc ttccacgtcg agaagggtc	600

caaccccaac tacctcgccg tgctcgtaa gttcgtcgcc gacgacggtg acgtcatcca	660
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atcttgtaag ttgtaagatg ctgaagaaca ctatgaattc tgagcatctg attctccggg	1080
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<210> 28
 <211> 861
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> TC89985

<400> 28	
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cgtcgccgct gctgcgcggg taatgtgctc tatgtagcgc acggcgttgc atgcaatatg	540
gatggctata tgacgcgcgc gcgttatatc ttcatatgtg cagttagctt gcactgtgtc	600
tagctagcgt tctattatga gtagtgtctc ttctatctct tttctttaca tgcatttgga	660
ggaggattat tctatctgtt tgttggttg ttgtgtttgt ttgttttaat taggtccctt	720

cttatatttt gtgttttaat taagttcgtg atcatgtagt agtactacca ctgtttcgag	780
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atatattact atctctgctt c	861

<210> 29
 <211> 1252
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> TC89891 (PRO0081)

<220>
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 <222> (5)..(5)
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<400> 29	
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cgcccacagc gacatcgaca gcaccaaaa gacgctgctc aagagcgacg cctgtacaa	180
gtatgtcctg gacacgacgg tgctgccacg ggagccggag tgcattgcgc atctgcgcct	240
catcacggac aagcaccagt ggggggttcat gcagtcgtcg gcggatgagg cgcagtgtcg	300
gggatgctgc tgaagatggc cggagcgaag aggacaatcg aggtgggtgt cttcaccggc	360
tactcgtcgc tggcgacggc gctggcgctg ccggaggacg ggaaggtggg ggcgatcgac	420
ccggacaggg agagctacga gatcggggcg ccgttcttgg agaaggccgg ggtggcgac	480
aaggtggact tccgcgaggg gaaggggctg gagaagctgg acgagctgct cgccgaggag	540
gcggcgggcg ggcgcgaggg ggcgttcgac ttgcggttcg tggacgcgga caagcccaac	600
tacgtcaagt accacgagca gctgctgcag ctggtgcgcg tcggcgggca catcgtgtac	660
gacaacacgc tgtggggccg cacggtggcg ctgccgccg acacgccgct gtcggacctg	720
gaccggaggt tctccgtcgc catcagggac ctcaactcca ggctcgccgc cgaccgcgc	780
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ggtcgagacc gagaccttac cggccgatcc atccatcgct ctgcgctgat taattaacgt	900
gtgttgctgt actcttctac tgctacaact atactattac ttccttaatt gccgcttaaa	960
ttttcctata cgtgtttcaa tcaatgagat tattatattc ttcgagcatg agagagacgg	1020

agttgtaggg acatttgatg atgggttgta ctgtactaca tgttgataag tgcaacatct	1080
ctttccatgg ttgctactct actcaccgtg tcatgttggt tgcggatttt gatctcatct	1140
gcaagatgga ctactggggc ccaaaatgga acagactggt ccctcgatcc tgcaggagct	1200
tgcacctgtt gcaagggcct ttttaactgg ctaactaggt gggtaagtag gg	1252

<210> 30
 <211> 671
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> TC89670 (PRO0091)

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n = any nucleotide

<220>
 <221> misc_feature
 <222> (14)..(14)
 <223> n = any nucleotide

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tttgatgctc ttagtcaaag ttatagacaa tatcaactac aatcgcatct cctgctacag	180
caacaagtgc tcagcccatg cagtgaagtc gtaaggcaac agcatagcat agtggcaacc	240
cccttctggc aaccagctac gtttcaattg ataaacaacc aagtcatgca gcaacagtgt	300
tgccaacagc tcaggctggt agcgcaacaa tctcactacc aggccattag tagcgttcag	360
gcgattgtgc agcaactaca gctgcagcag gtcggtgttg tctactttga tcagactcaa	420
gctcaagctc aagctttgct ggccttaaac ttgccatcca tatgtggtat ctatcctaac	480
tactacattg ctccgaggag cattcccacc gttggtggtg tctggtactg aattgtaata	540
gtataatggt tcaaagtgtt aaaataaagt catgcatcat catgcgtgac agttgaaact	600
tgatgtcata taaatctaaa taaaatcacc tatttaaata gcattcatgt atgagttcca	660
ttatcatagc t	671

<210> 31
<211> 436
<212> DNA
<213> Oryza sativa

<220>
<221> misc_feature
<223> TC89883 (PRO0095)

<400> 31
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gggcggcgat ctccatctcc atctgaggcg aggagagcag gggaggtagg gggatcctgg 180
tgaggtttgt gattactgga caatagaaat atttacacaa tatggctggc ggctctgctg 240
atgcagtgc caaggagatg gaggcgctac tcgttggaaca aaatccaaat gcggttagtg 300
gagaaacatg cgagacctca tcaaaagaag gcaaagttgc agatagcaat ggatctcatt 360
cttcaccacc agaagatgat gatgatgaag cgcaagggga tggatccatct caagattgga 420
ggatccagaa gctttc 436

<210> 32
<211> 860
<212> DNA
<213> Oryza sativa

<220>
<221> misc_feature
<223> TC90434 (PRO0111)

<220>
<221> misc_feature
<222> (1)..(1)
<223> n = any nucleotide

<220>
<221> misc_feature
<222> (10)..(10)
<223> n = any nucleotide

<400> 32
nagggctaan attaccggag tatttttgca aaggagtaa tcaaagttcc aatacgaaat 60
cgcggtcgta gtagtacaat acaaagacga gttcacggag cgcgtaaact aataaggaaa 120
aattaaacgt cgcgagagaaa taatagccga actggatgaa gatgagcagc actgcctctt 180

gcctagccta gcccatcatg gcgaggccga cgccccgac cagcaggccc atcaccgaac	240
gggcctcgtc gccgctggcc ccgccgtgc tgcccgtcga cttcgtcgtc gtcgtcgtcg	300
gcgtcgtggt cgcgtccggc gtcgacgagg gcgtgtccat gccgggggtcc gatgacggcg	360
tggcgggctg cgcgggtggac ggccggggacg acgacgccgt cgggggtgggg gtggtgcccg	420
ccgccgcgga gaccgtgacg gcgagcttca tgccgccgga gcagtggccg ctggtgccgc	480
agatgaagta gcgggtgccg ggcttggtga gcgcgatctt ggtgttcttg tcgctgtagg	540
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gtgcatcatg ctgtactgga acacgagcga gtcaccaacg ctgaaggttt tgctcttcgc	660
ccaggatatcg tagtcacgc cactgctcca gccggatgtg tcgccgacgg ttagtccac	720
ggcgaaagcc ggcgcaacgg cggcgaggag tagcaccacc agacctgcag ctgcaagtcc	780
atgtactcca gccatgatgg cagagttaat tagcaaacgc gaactgatta gagccgtact	840
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<210> 33
 <211> 1167
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> TC83072 (PRO0116)

<400> 33	
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tcttcggcgc ctccggcatg gggcagccgc cgtcggactc gccgctgctc gactcctccg	180
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tgccgatgga ggtgatgggg ctgatgctgg gggagtctgt cgacgactac acggtcaggg	300
tggtcgacgt cttcgccatg ccgcagagcg ggaccggggg cagcgtcgag gccgtcgacc	360
atgtcttcca gaccaacatg ctcgacatgc tcaagcagac cgggaggcca gaaatggtgg	420
taggttggtg ccattcccat cctggatttg gttgctggct ttcaggagtt gacatcaata	480
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tgcttgggtca ggagccacga cagacaacat caaatgttgg gcacctaaat aagccatcta	660
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aaaatgagct tgaggaaaag atgttactga acttgcacaa aaagaaatgg accgatggat	780
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tgaaccttgc tatcaagtac aacaaggcgg tgcaagagga ggatgagctg ccgcctgaga	900
aattagcgat agcaaatgtg ggacggcaag atgctaagaa gcacttggaa gagcatgtct	960
ccaatttgat gtcacaaac atagttcaga cgctaggaac catgctcgat acagttgtat	1020
tttagatcac tactgctgtt atcccaacac tgtaccaga gctcgtttat tttttat	1080
tttatgttta tcgaagccta ccataattca gtgaacttaa cgccagttac atttgggtta	1140
tgaaagctta ccacttgaca acttcat	1167

<210> 34
 <211> 871
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> TC90038 (PRO0117)

<400> 34	
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tgcgctctgt gaacaccaac gtcgatggga agcagaagat catgttcgcg ctcacctcca	180
tcaaggggtgt cggccgcagg ttctccaaca tcgcctgcaa gaaggccgac atcgacatga	240
acaagagggc cggtgagctt acgccggagg agctggagcg gctgatgacc gtgggtggcga	300
accgcggca gttcaagggtg cccgactggt tcctcaacag gaagaaggac tacaaggacg	360
ggaggttctc ccaggttgtc tccaacgcgc tcgacatgaa gctcagggat gatcttgaga	420
ggctcaagaa gatcaggaac caccgtggtc tgaggcacta ctggggcctc cgtgtgcgtg	480
ggcagcacac caagacaacc ggaaggagg gtaagactgt cgggtgtgtcc aagaagcgat	540
aagcctaaga accacccgag acttgatgaa gcgtttcggt gggatgatgtt ttgccctagg	600
ataatatttt gcagctatgg aaccttgtcg taatgtatct tgaagagtgt ctttggaac	660
taagagtaat ttacttttct tgaaactatt gcagtattga ctcttggtt attgcttttc	720
tccactttct tctaccact taaaactatt gcagtatcga ctcttggtt attgctattc	780

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<210> 35
 <211> 1245
 <212> .DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> TC82936 (PRO0122)

<400> 35	
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ggcgtcgtc aagtctacct tcctagggca atcctccacc cgctcgcgc gcgcaccgac	180
tacgaggcgt aatgttcggg cggaggccaa gggagagtgg ctccccggcc tcccttctcc	240
cacctacctc aacggcagct tgccaggcga taacgggttc gacccgttgg gtctggcgga	300
ggacccggag aacctgcggt ggttcgtgca ggcgagtggt tgaacgggcg gtgggcgatg	360
ctgggggtgg ccgggatgct gctgcctgag gtgctgacga agatcgggtt gatcgacgcg	420
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atcgagttca tcctgttcca ctacgtggag atccggcggt ggcaggacat caagaaccct	540
ggctgcgtca accaggaccc catcttcaag agctacagcc tcccgccgca cgagtgcggc	600
taccccgcca gcgtcttcaa cccctcaac ttcgagccca ccctcgaggc caaggagaag	660
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gtgacgcaga agggggccctt cgacaacctg ctgcagcacc tgtctgacct gtggcacaac	780
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aattgtttcc tgcattgatg gatctggatg catgggtgag ggggtgagtt gattggtgaa	1080
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1245

<210> 36

<211> 1416

<212> DNA

<213> *Oryza sativa*

<220>

<221> misc_feature

<223> TC89839 (PRO0123)

<400> 36

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ctctgtcccc aagaagggtg acttgagcgc ggtggtgaag gagccggggg tcttagcgt	180
gagcagaagg ccaagaagcc gtcgctggtg gtgagggcgg tggcgacgcg gcgggccggg	240
ggcgagcccc ggcgcgggca cgtcgaaggc ggacgggaag aagacgctgc ggcagggggg	300
ggtggtgatc accggcgctg cgtcggggct cgggctcgcg gcggcgaagg cgcttggcgg	360
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<210> 37
 <211> 1149
 <212> DNA
 <213> Oryza sativa

<220>
 <221> misc_feature
 <223> TC85888 (PRO0133)

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cagtgcggca gccaggccgg cggcgcgctc tgccccaact gcctctgctg cagccagtac	180
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gcgcgttccg ggctacggcg agatcaccaa catcatcaac ggcggtgtgg agtgcgggca	900
cggcgcggac gacaagggtg ccgaccggat cgggttctac aagcgctact gcgacatgct	960
gggcgtcagc tatggcgata acctggattg ctacaaccag aggccctacc cgccttccta	1020
gttgatattt gatccgagca gacgaataaa atacaatgca cacgagattg tgagactcga	1080
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aaaatatac	1149

<210> 38
<211> 981
<212> DNA
<213> Oryza sativa

<220>
<221> misc_feature
<223> TC84300 (PRO0151)

<400> 38
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tccagcgtag tttcagttcg tgtgttggtg agtgattcca gccaaagtttg cgatggcttc 120
tcagcaggaa cgggctagct accacgccgg cgagaccaag gcccgcgccg aggagaagac 180
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gtacgagacc aaggacgca ccaaggagaa ggcgtagag gcaaaggacg cggcctccga 360
cgccaccggc cgcgccatgg acaagggccg cgcgcccgcg ggcgccacga gggacaaggc 420
gtacgatgcc aaggacaggg cggctgacac ggcgcagtc gccgccgacc gcgcccgcga 480
cggcgccggg cagaccggga gctacattgg acagaccgcc gagggcgcca agcagaaagc 540
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cgtgctccag caggcagggg agcaggtgaa gagcgtggcg gtgggggcga aggacgcggt 660
gatgtacacg ctcgggatgt caggcgataa caagaacaac gccgctgccg gcaaggacac 720
cagcacctac aagcctggaa ctgggagtga ctaccagtaa tacggtagaa gaagcatgtg 780
tcgtcttttg cactgatgcc aaagtgtacg tgttgtatcc tcttttttaa gtttcagctc 840
gacttcgacg tggtcgggtg cacttttg tttttcagtt gtgctcaact gttcatgttt 900
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aataaagttg gttaagacct g • 981

<210> 39
<211> 1203
<212> DNA
<213> Oryza sativa

<220>
<221> misc_feature
<223> TC89687 (PRO0169)

<400> 39
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 actcgagag gcagccgata gggacggcgg cgaggggcgc gggggacgac aaggactaca 180
 aggagccgcc gccggggcgc tgttcgagcc aggggagctc aagtcgtggt ctttctaccg 240
 ggccgggatc gccgagttcg tcgccacctt cctcttctc tacatcacca tcctcaccgt 300
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 catcaacca gcagttactt ttgggctggt cttggccagg aagctgtccc tgacccgggc 480
 catcttctac atagtgatgc aatgcctagg ggccatctgc ggagctggag ttgtgaaggg 540
 cttccagcag ggtctgtaca tgggcaatgg cgggtgtgcc aatgtagttg ccagtggcta 600
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 ccaccagggt atcatcagg cgatcccatt caagagcagg tcttaagccc cgcgccgccg 960
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 acaactcaat cgtgtaatcc agtactcagt cactgtatgt ttttatgtga tggagatctt 1140
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 gcc 1203

<210> 40
 <211> 964
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> TC89846 (PRO0170)

<400> 40
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gtccctgtct cccctctcct tctctctctc ctttccctc ctctcttccc ccctctcaca	120
agagagagag cgccagactc tccccaggtg aggattcagc catgaagggg gccaaatcca	180
agggcgccgc caagcccgac gccaaagtgg ctgtgaagag taaggcgcg gagaagcccc	240
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tagaattatt cagtttcaact tcacatcgtg atgttttact ttttctctcg tcctataacg	780
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accgtcaatg atccgcttgt acctagatta ctctttccat tgtcatcggc taacattgtg	900
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ttgc	964

<210> 41
 <211> 1542
 <212> DNA
 <213> Oryza sativa

 <220>
 <221> misc_feature
 <223> TC82935 (PRO0171)

<400> 41	
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aggacggcga cccgaccaag accatccgcg tccccgaggg cttcgactac gagctctaca	300
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agacaataat aattttatca tgtaattttg atagtcgtgc tttggttgct aaatggtgtt	1440
attgtattta ataacctttg caaatcacta tacctgttgg ttgttctgag aattgtatgc	1500
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<210> 42
 <211> 1432
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> TC82977 (PRO0173)

<220>
 <221> misc_feature
 <222> (1429)..(1429)
 <223> n = any nucleotide

<400> 42

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ccccaggaag gagggaatgg aaaggaagga tgttatgtca aaaaatgtct ccatctacaa	420
atcccaagct tctgctcttg aggctcatgc agcccctaac tgcaagggtc tggtagttgc	480
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gaacattact tgcctcaccg gtcttgacca caacagggca cttggccaga tctctgaaaa	600
acttaatgtc caagttactg atgtgaagaa tgcgatcatc tggggcaacc actcatccac	660
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ggaactcgtt gctgatgatg agtgggttaa tacggaattc atctctaccg tccagcagcg	780
tggtgccgcc atcatcaagg cgaggaagca atccagtgcc ctatctgctg ccagctctgc	840
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caactaaaac taagcaatac ccagagggac agatagttag cgattgcccg ctcccgtgtt	1140
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accatttga catctgatgg aatcatggac cagtagcaag tacatttttg cgaaagcata	1380
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<210> 43
 <211> 659
 <212> DNA
 <213> *Oryza sativa*

<220>
 <221> misc_feature
 <223> TC83646 (PRO0175)

<400> 43
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gagtacggca acccggtcgg caccggcgcc ggacacggcc agatgggcac cgccggcatg 180
gggacgcacg gcaccgccgg caccggcggc ggccagtcc agccgatgag ggaggagcac 240
aagaccggcg gcgtcctgca acgtccggc agtccagct caagctcgtc tgaggatgat 300
ggaatgggag ggaggaggaa gaaggggatc aaggagaaga tcaaggagaa gctccccggc 360
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accggaaccg gcggcgcccta cgggcagcag ggccacggca ccgggatgac caccggcacc 480
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atcaaggaga agctgcccgg ccagcactga gtcgacaca ccaccacacc atgtgtctgc 600
gccccggcg accgccgcca cgtcaccttc ctgaataata agatgagcta accgagcgc 659

<210> 44
<211> 1310
<212> DNA
<213> *Oryza sativa*

<220>
<221> misc_feature
<223> TC90619 (PRO0177)

<400> 44
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cgctctctct tctctccctc gccgacccta cctactcgcg ccgccgccgt cgcattgggc 180
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gtgagaagcg catatatctt gtctttgagt atctggatct ggacctaaag aagttcatgg 480
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tccggggcgt tgcttactgt cattctcata gagttcttca tcgagatttg aaacctcaga 600

atttattgat agatcggcgt actaatgcac tgaagcttgc agactttggt ttagccaggg	660
catttggaat tcctgtccgc acgtttactc acgaggttgt aaccttgtgg tatagagctc	720
cagagatcct tcttgatca aggcagtatt ctacaccagt tgatatgtgg tcagttggtt	780
gtatctttgc agaaatgggtg aaccagaaac cactgttccc tggtgattct gagattgatg	840
aattatttaa gatattcagg gtactaggaa ctccaaatga acaaagttgg ccaggagtta	900
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ttgtccctac tcttgaccct gctgggtttgg accttctctc taaaatgctt cggtagcagc	1020
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atatttcaaa tcttgtgtgt ttgatatgta ttcaggaacg ctaaatagat caccgtcttg	1260
gtctctattt gttcagagta aatatcttcc aatgctgcct ttcagtttcc	1310

<210> 45
 <211> 55
 <212> DNA
 <213> Artificial sequence

<220>
 <223> prm3780

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<210> 46
 <211> 55
 <212> DNA
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<220>
 <223> prm2768

<400> 46	
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<210> 47
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 <213> Artificial sequence

<220>
 <223> prm2420

<400> 47
ggggacaagt ttgtacaaaa aagcaggcta tgccatcgag tgggtg gccg atac 54

<210> 48
<211> 54
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<220>
<223> prm2853

<400> 48
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<210> 49
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<223> prm2426

<400> 49
ggggacaagt ttgtacaaaa aagcaggcta aaaccaccga gggacctgat ctg 53

<210> 50
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<400> 50
ggggacaagt ttgtacaaaa aagcaggctc ctagctatat gcagaggttg acagg 55

<210> 51
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 <400> 52
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 <210> 53
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 <210> 54
 <211> 57
 <212> DNA
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 <220>
 <223> prm3031

 <400> 54
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 <210> 55
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 <220>
 <223> prm3051

 <400> 55
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 <210> 56
 <211> 58
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> prm3592

 <400> 56
 ggggacaagt ttgtacaaaa aagcaggctc gtgttcatgt tcgcatttag gattggac 58

 <210> 57
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<212> DNA
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 <220>
 <223> prm5131

 <400> 57
 ggggacaagt ttgtacaaaa aagcaggctc agatgccaca gtatggtgta ccacc 55

 <210> 58
 <211> 56
 <212> DNA
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 <220>
 <223> prm3782

 <400> 58
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 <210> 59
 <211> 54
 <212> DNA
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 <220>
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 <400> 59
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 <220>
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 <400> 60
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 <210> 61
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 <223> prm3770

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<210> 62
<211> 56
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<220>
<223> prm3772

<400> 62
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<210> 63
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<220>
<223> prm3774

<400> 63
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<210> 64
<211> 53
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<220>
<223> pm3776

<400> 64
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<210> 65
<211> 55
<212> DNA
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<220>
<223> prm3800

<400> 65
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<210> 66
<211> 55
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<213> Artificial sequence

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<223> prm5135

<400> 66
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<210> 67
<211> 55
<212> DNA
<213> Artificial sequence

<220>
<223> prm3781

<400> 67
ggggaccact ttgtacaaga aagctgggtg atcacaagcg cagctaatca ctagc 55

<210> 68
<211> 57
<212> DNA
<213> Artificial sequence

<220>
<223> prm2769

<400> 68
ggggaccact ttgtacaaga aagctgggtc gtgtagaaaa tcttaaccgcg aaaatcg 57

<210> 69
<211> 55
<212> DNA
<213> Artificial sequence

<220>
<223> prm2421

<400> 69
ggggaccact ttgtacaaga aagctgggtg gtgaggtgcc ggggaagcga cgttg 55

<210> 70
<211> 54
<212> DNA
<213> Artificial sequence

<220>
<223> prm2854

<400> 70
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<210> 71
<211> 54
<212> DNA
<213> Artificial sequence

<220>
 <223> prn2427

 <400> 71
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 <210> 72
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 <212> DNA
 <213> Artificial sequence

 <220>
 <223> prn2856

 <400> 72
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 <210> 73
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 <220>
 <223> prn3026

 <400> 73
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 <210> 74
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 <213> Artificial sequence

 <220>
 <223> prn3030

 <400> 74
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 <210> 75
 <211> 62
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> prn3062

 <400> 75
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<210> 76
<211> 54
<212> DNA
<213> Artificial sequence

<220>
<223> prm3032

<400> 76
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<210> 77
<211> 50
<212> DNA
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<220>
<223> prm3052

<400> 77
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<210> 78
<211> 60
<212> DNA
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<220>
<223> prm3049

<400> 78
ggggaccact ttgtacaaga aagctgggtg gcggcggcgg cggcggcggc ggctgggtct 60

<210> 79
<211> 54
<212> DNA
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<220>
<223> prm2195

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<220>
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<223> prm2845

<400> 81
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<210> 82
<211> 55
<212> DNA
<213> Artificial sequence

<220>
<223> prm2974

<400> 82
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<210> 83
<211> 54
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<213> Artificial sequence

<220>
<223> prm3771

<400> 83
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<210> 84
<211> 52
<212> DNA
<213> Artificial sequence

<220>
<223> prm3773

<400> 84
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<210> 85
<211> 54
<212> DNA
<213> Artificial sequence

<220>

<223> prm3775

<400> 85

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54

<210> 86

<211> 52

<212> DNA

<213> Artificial sequence

<220>

<223> prm3777

<400> 86

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52

<210> 87

<211> 57

<212> DNA

<213> Artificial sequence

<220>

<223> prm3801

<400> 87

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57

<210> 88

<211> 52

<212> DNA

<213> Artificial sequence

<220>

<223> prm5136

<400> 88

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52